

Batch Capturing of Still Frames Images from Video

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Software Needed:

- GOM Media Player..... <http://file-loader.com/GOM-Player/>
- Microsoft Office 2010 Picture Manager..... Located under MS Office 2010 Tools
- Windows Live Photo Gallery..... Located with the Windows Live Movie Maker Bundle

Procedures:

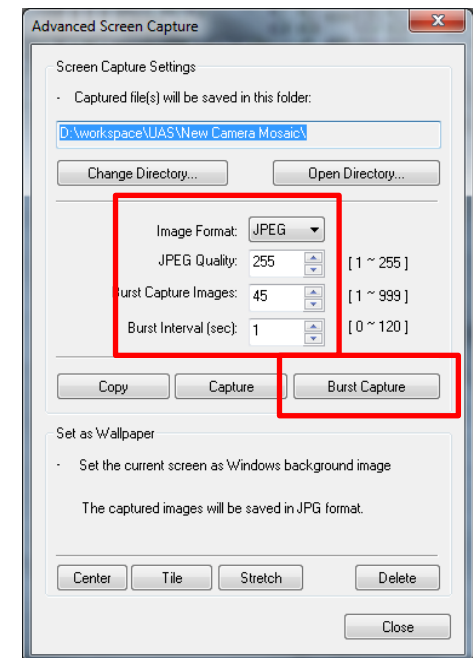
- Capture the video (current usable formats: .avi, .mpg)
- Open Video with the GOM Media Player
- Run 'Burst Capture' Routine to automatically capture still frame images at set intervals
- Open still frame images into Microsoft Office Picture Manager
- Select all the images that need to be 'cropped'
- Select one image, crop out borders and/or labeling, and apply to all images
- Rotate all the images to the direction of flight
- Open the cropped and rotated images into Windows Live Photo Gallery
- Select all the images and Create a Panorama (mosaic)
- Adjust contrast, brightness, sharpen, etc.

Software Needed:

- GOM Media Player

Procedures:

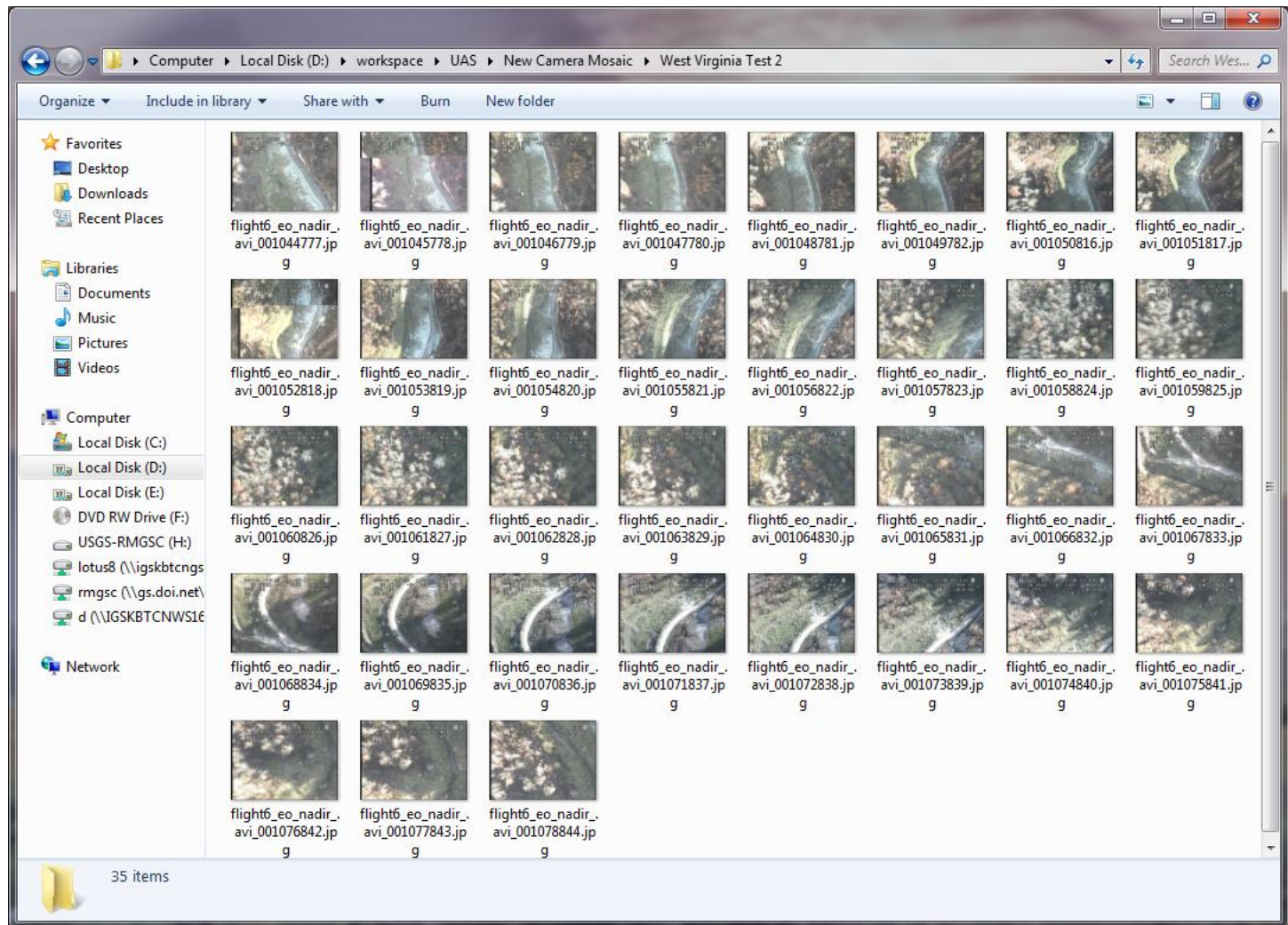
- Capture the video (current usable formats: .avi, mpg (others))
- Open Video into GOM Media Player
- Run 'Burst Capture' Routine to automatically capture still frame images at set intervals (start video, then hit Burst Capture)
- Must start the video, then hit Burst Capture



Tips: Find a period of time where the aircraft captures in one direction (using MAG heading) and at a set altitude

Continued:

- Open a folder and using large tiles – let them show up as they are ‘burst collected’ for the period of time designated



Software Needed:

- Microsoft Office Picture Manager

Procedures:

- Open Microsoft Office Picture Manager, go to the folder with the captured images.
- Edit -> Select All (all should highlight with gold color)

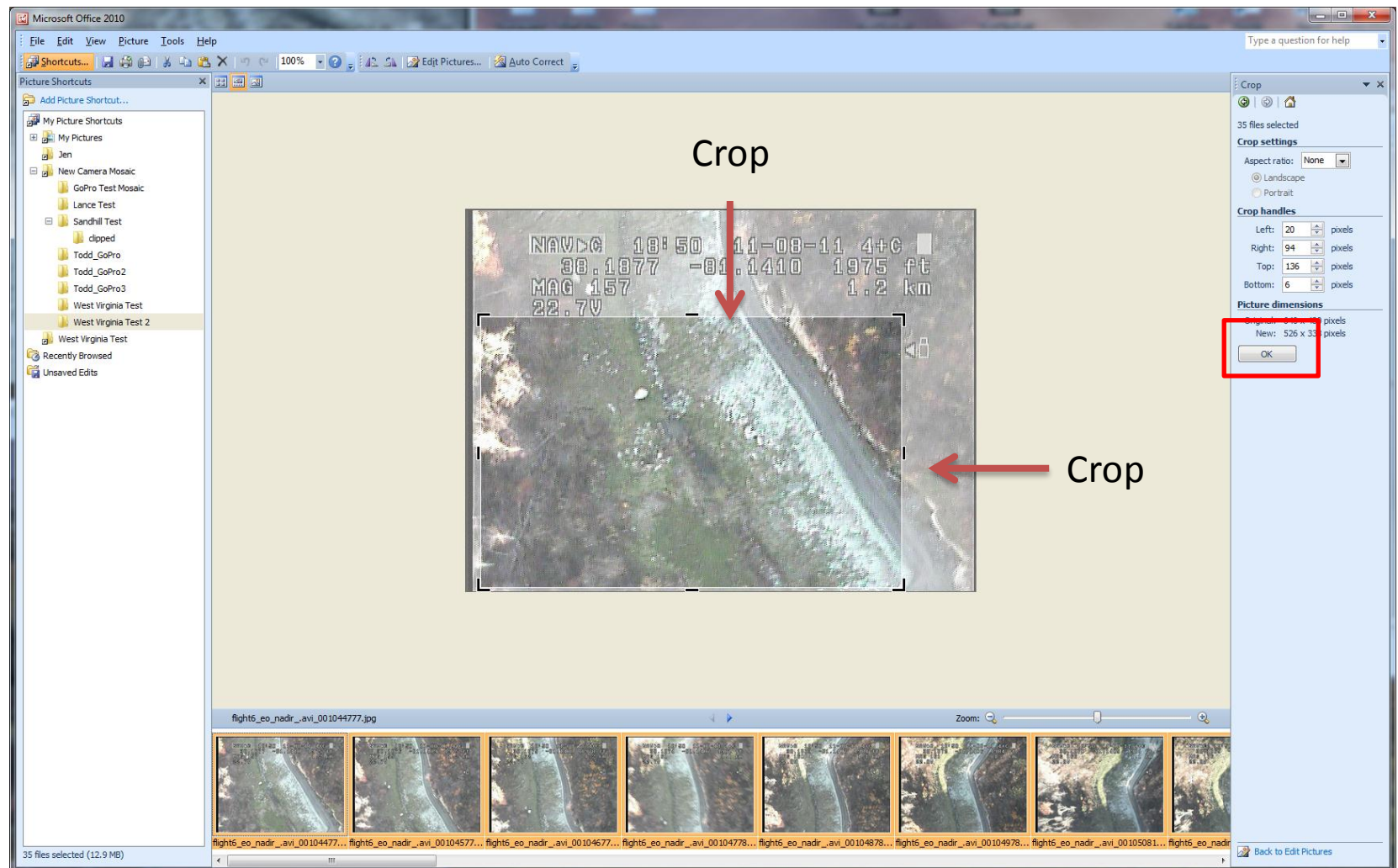


Software Needed:

- Microsoft Office Picture Manager

Procedures: (Continued):

- Picture -> Crop (make sure all images selected are highlighted)
Since all images are the exact same size, you can apply the crop to all
- OK – and File -> Save to apply to all the images captured or
- File -> Export to save all the cropped to a new folder and keep the original burst captured images (Rotate images if needed.)



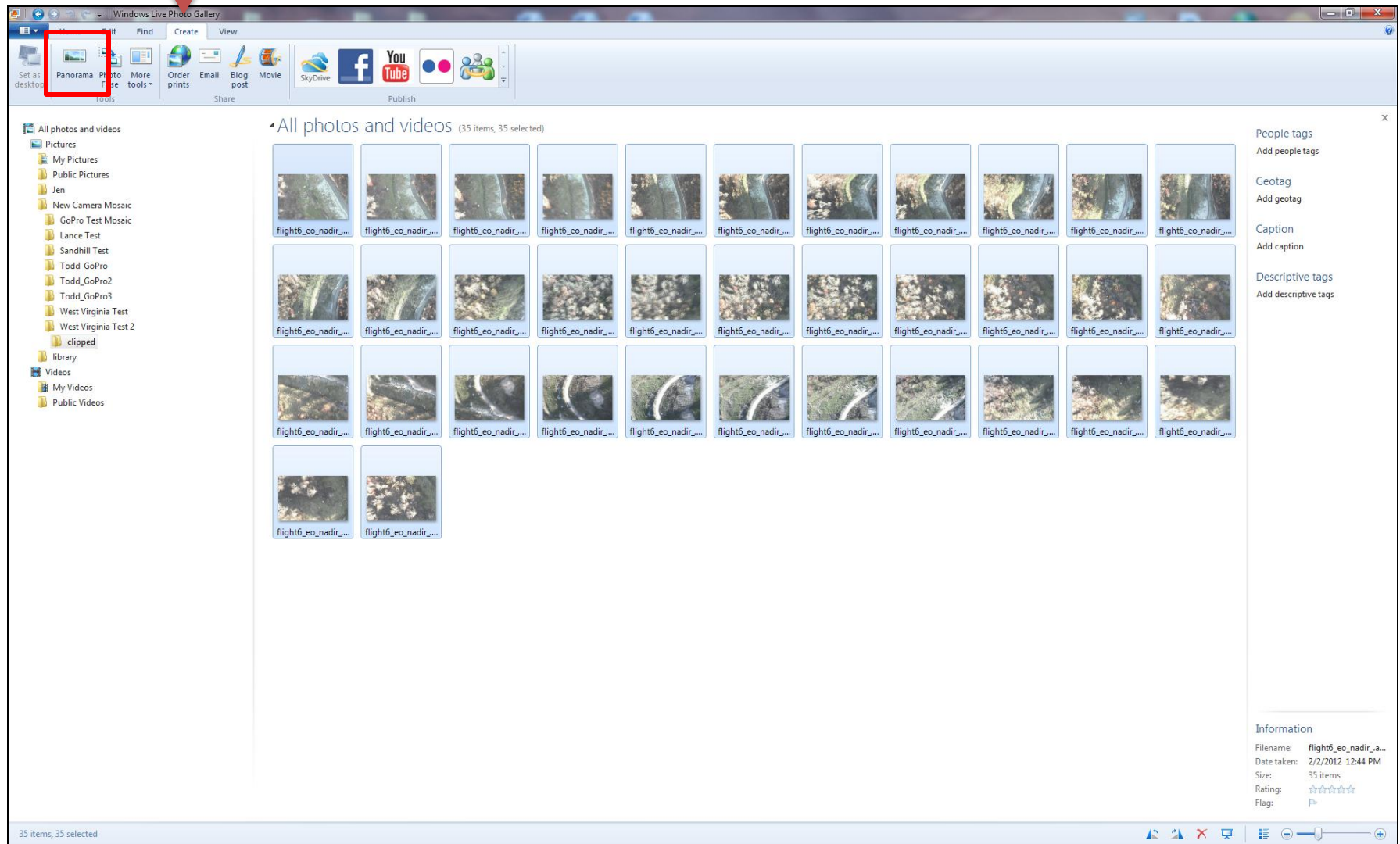
Software Needed:

- Windows Live Photo Gallery



Procedures:

- Open the folder with the clipped images
- Select All (highlight in Blue)
- Create -> Panorama



Software Needed:

- Windows Live Photo Gallery

Procedures:

- Creating the Panorama will take a few seconds/minutes
- Save the newly 'stitched' image file
- Adjust colors, contrast, brightness, etc. as needed

